

Application No. 10/797,686
Response to Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) A crawler belt link grinding system comprising:

an abrasive plate ~~for grinding a tread~~ positioned so as to contact a wound crawler belt to grind treads of links of a
5 the crawler belt;

wherein the abrasive plate has a width that is larger than an outside width of the links and a length that is longer than one pitch of the links. ~~link, the abrasive plate being disposed to contact the tread with a crawler belt of a crawler structure~~
10 ~~wound.~~

2. (Currently Amended) The crawler belt link grinding system of claim 1, wherein the crawler belt is wound around an idler and sprocket positioned at ends of a track frame, and the
abrasive plate is disposed above a ~~the~~ track frame.

3. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 1, wherein the crawler belt is wound around an idler and sprocket positioned at ends of a track frame, and
the abrasive plate is disposed below a rear portion of a ~~the~~
5 track frame and is supported by a support member ~~added~~ coupled to a bogie supporting a track roller.

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4. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 1, wherein the crawler belt is wound around an idler and sprocket positioned at ends of a track frame, and the abrasive plate is supported by a support member ~~added~~ coupled to a rear portion of a bottom side of ~~a~~ the track frame.

5. (Currently Amended) The crawler belt link grinding system of claim 2, wherein the abrasive plate is mounted ~~can be moved~~ to be movable away from a grinding position.

6. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 5, wherein a distance between the abrasive plate disposed has an and the crawler belt is adjustable ~~setting position.~~

Claim 7 (Canceled).

8. (Currently Amended) A crawler structure comprising:
a track frame;
a sprocket disposed at one side of said track frame;
an idler disposed at another side of said track frame;
5 a track roller disposed under said track frame;
a carrier roller disposed on said track frame;

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an endless crawler belt wound between ~~a~~ the sprocket and ~~an~~
the idler, of a said crawler vehicle belt including crawler belt
links, which have respective treads that are in rolling contact
10 with the track roller, the carrier roller and the idler during
travel; and

a crawler belt link grinding system for grinding ~~a tread~~ the
respective treads of ~~a~~ the crawler belt ~~link~~ links of the crawler
belt.

9. (Currently Amended) The crawler structure of claim 8,
wherein the crawler belt link grinding system is supported at ~~a~~
the track frame and grinds the ~~tread~~ respective treads of the
crawler belt ~~link~~ links on at least one of a non-ground-contact
side and a ground-contact side of the crawler belt.

10. (Currently Amended) The crawler structure of claim 8,
wherein the crawler belt link grinding system comprises an
abrasive plate ~~formed to have~~ including a flat abrasive surface.

11. (Currently Amended) The crawler structure of claim 9,
wherein the crawler belt link grinding system comprises an
abrasive plate ~~formed to have~~ including a flat abrasive surface.

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12. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 3, wherein the abrasive plate is detachably mounted ~~can be detached or withdrawn from~~ at a grinding position.

13. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 12, wherein a distance between the abrasive plate ~~disposed has an~~ and the crawler belt is adjustable ~~setting position~~.

14. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 4, wherein the abrasive plate is detachably mounted ~~can be detached or withdrawn from~~ at a grinding position.

15. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 14, wherein a distance between the abrasive plate ~~disposed has an~~ and the crawler belt is adjustable ~~setting position~~.

16. (Currently Amended) The crawler belt link grinding system of claim 5, wherein the abrasive plate is detachable from ~~a~~ the grinding position.

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17. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 2 5, wherein the abrasive plate can be withdrawn from ~~a~~ the grinding position.

18. (New) The crawler belt link grinding system of claim 1, wherein the abrasive plate comprises a base frame and at least one abrasive portion provided on a surface of the base frame.

19. (New) The crawler belt link grinding system of claim 18, wherein each said abrasive portion comprises a plurality of alternating ridges and grooves extending along a direction crossing a traveling direction of the links.

20. (New) The crawler belt link grinding system of claim 18, wherein the at least one abrasive portion comprises a plurality of abrasive portions having spaces therebetween.

21. (New) The crawler structure of claim 8, wherein the crawler link grinding system comprises an abrasive plate including a base frame and at least one abrasive portion provided on a surface of the base frame.

22. (New) The crawler structure of claim 21, wherein each said abrasive portion comprises a plurality of alternating ridges

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and grooves extending along a direction crossing a traveling direction of the links.

23. (New) The crawler structure of claim 21, wherein the base frame has a width that is larger than an outside width of the links and has a length that is longer than one pitch of the links.

24. (New) The crawler structure of claim 21, wherein the at least one abrasive portion comprises a plurality of abrasive portions having spaces therebetween.